

DI 41. An isolated polynucleotide comprising a polynucleotide at least 95% identical to a member selected from the group consisting of:

- (a) a polynucleotide encoding a polypeptide comprising amino acids from 1 to 221 in SEQ ID NO:2;
- (b) a polynucleotide encoding a polypeptide comprising amino acids 2 to 221 in SEQ ID NO:2;
- (c) a polynucleotide encoding a VEGF-3 polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97166;
- (d) the complement of the (a), (b), or (c); and
- (e) a polynucleotide which hybridizes under stringent conditions to (a), (b), (c), or (d).

42. The isolated polynucleotide of claim 41, wherein said polynucleotide encodes amino acids 1 to 221 in SEQ ID NO:2.

43. The isolated polynucleotide of claim 41, wherein said polynucleotide encodes amino acids 2 to 221 in SEQ ID NO:2.

44. The isolated polynucleotide of claim 41, wherein said polynucleotide encodes a VEGF-3 polypeptide having the amino acid sequence encoded by the cDNA clone contained in ATCC Deposit No. 97166.

45. The isolated polynucleotide of claim 42, comprising the nucleotide sequence of nucleotides 1 to 663 of SEQ ID NO:1.

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46. The isolated polynucleotide of claim 43, comprising the nucleotide sequence of nucleotides 4 to 663 of SEQ ID NO:1.

47. The isolated polynucleotide of claim 41, wherein said polynucleotide comprises a nucleotide sequence identical to the coding portion of the human VEGF-3 cDNA contained in ATCC Deposit No. 97166.

48. The isolated polynucleotide of claim 41, wherein said polynucleotide is DNA.

49. The isolated polynucleotide of claim 41, wherein said polynucleotide is RNA.

50. The isolated nucleic acid molecule of claim 41, which hybridizes under stringent hybridization conditions to a polynucleotide having a nucleotide sequence identical to a nucleotide sequence in (a), (b), (c), or (d).

51. An isolated polynucleotide selected from the group consisting of:

- (a) a polynucleotide comprising at least 30 contiguous nucleotides of SEQ ID NO:1;
- (b) a polynucleotide complementary to (a); and

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(c) a polynucleotide at least 30 nucleotides in length that hybridizes under stringent conditions to (a) or (b).

52. The isolated polynucleotide of claim 51, which is (a).

53. The isolated polynucleotide of claim 52, which comprises at least 50 contiguous nucleotides of SEQ ID NO:1.

54. The isolated polynucleotide of claim 52, which is double stranded.

55. The isolated polynucleotide of claim 52, which is single stranded.

56. The isolated polynucleotide of claim 52, which is DNA.

57. The isolated polynucleotide of claim 52, which is RNA.

58. The isolated polynucleotide of claim 51, which is (b).

59. The isolated polynucleotide of claim 58, which is at least 50 nucleotides in length.

60. The isolated polynucleotide of claim 58, which is double stranded.

61. The isolated polynucleotide of claim 58, which is single stranded.

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62. The isolated polynucleotide of claim 58, which is DNA.
63. The isolated polynucleotide of claim 58, which is RNA.
64. The isolated polynucleotide of claim 51, which is (c).
65. The isolated polynucleotide of claim 64, which is at least 50 nucleotides in length.
66. The isolated polynucleotide of claim 64, which is double stranded.
67. The isolated polynucleotide of claim 64, which is single stranded.
68. The isolated polynucleotide of claim 64, which is DNA.
69. The isolated polynucleotide of claim 64, which is RNA.
70. A method of making a recombinant vector comprising inserting the isolated polynucleotide of claim 41 into a vector.
71. A recombinant vector comprising the polynucleotide of claim 41.
72. A recombinant host cell comprising the recombinant vector of claim 71.